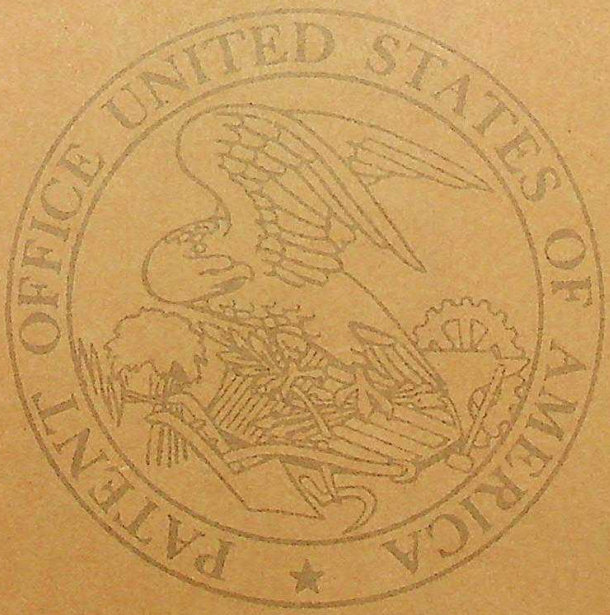
A UNITED STATES DEPARTMENT OF COMMERCE PUBLICATION

COMMISSIONER OF PATENTS ANNUAL REPORT FISCAL YEAR 1970



U.S. DEPARTMENT OF COMMERCE
Patent Office

COMMISSIONER OF PATENTS
ANNUAL REPORT
FISCAL YEAR 1970

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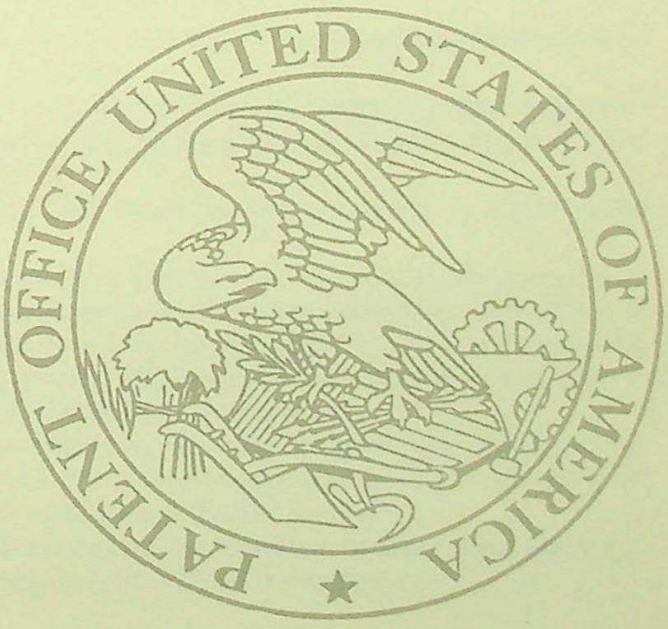

U.S. DEPARTMENT OF COMMERCE
Maurice H. Stans, Secretary

PATENT OFFICE
William E. Schuyler, Jr., Commissioner

1970

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Commissioner s Annual Report
Fiscal Year 1970

Functions

The Patent Office administers the patent laws enacted by Congress in accordance with article 1, section 8 of the Constitution, and the Federal trademark laws. In discharging its duties relating to patents, the Office examines applications and grants patents when applicants are entitled to them under the law, records assignments of patents, publishes and disseminates patent information, maintains search files of U.S. and foreign patents and a Public Search Room, and supplies copies of patents and official records to the public. The Patent Office also examines, registers, and maintains records of trademarks used in commerce which are qualified for protection under the Federal trademark laws.

Fiscal 1970 Highlights

- A record number of patent applications was received, and the completed examination of patent applications by the Office reached a new high.
- New records also were established for trademark applications filed in and disposed of by the Office.
- At the direction of President Nixon, a program of priority processing of applications relating to improvement of the environment was initiated February 17, 1970.
- The number of patents issued in 1970 increased by almost 4,500 over last year.
- The Patent Cooperation Treaty was successfully negotiated at a Diplomatic Conference held in Washington from May 25 to June 19 with the U.S. delegation achieving all of its original objectives designed to avoid any adverse effects on the U.S. patent system and to protect the interests of American businessmen.
- A major reorganization of the Patent Office was completed on December 1, 1969, which has substantially improved the efficiency of the Office, particularly in the area of public service.
- An experimental program was initiated to determine the feasibility of computer assisted classification of patents.

Patent and Trademark Examining Operations

For the first time, the Patent Office received over 100,000 applications for patents (100,573), and examination of 103,692 patent applications was completed; the average pendency of applications in the Office was reduced by 1 month to 29 months. At the year's end, the total number of applications pending in the Office was 240,667.

Patents issued numbered 66,730 as compared to 62,238 last year (including withdrawn numbers), but issuance of additional patents was delayed by a printing backlog which according to present plans will be eliminated in an orderly fashion by the end of 1971.

New records were established for trademark applications filed (33,807 as compared to 31,268 last year) and finally disposed of (29,786 as compared to 27,740 last year). The total number of trademarks maturing to registration was 23,572.

Inventory Adjustment

During the year, a complete inventory was taken of all patent applications in the Office. Based on this inventory, the total number of applications pending in the Office was adjusted upward by 2,605. This adjustment was the result of an upward adjustment of 3,244 in the number of applications in the "preexamination" and "under examination" categories and a downward adjustment of 639 in the number of cases in the "post examination" and "in issue process" categories. In addition, another one-time adjustment was made because of an administrative decision to assign serial numbers at an earlier point in the processing of applications. This upward adjustment of 2,654 is reflected in the total number of applications pending in the Office as of June 30, 1969, but is not reflected in the number of applications received in 1970 since to do so would artificially raise the number of receipts for the year.

Environmental Quality Program

At the direction of President Nixon, the Patent Office initiated a program according special priority processing to all patent applications or inventions contributing to the restoration or maintenance of the environment. Any industrial or individual applicant with a device which can aid in the curbing of environmental abuses may take advantage of this priority processing by request. The environmental quality program can reduce the processing of antipollution patents from 3 years to less than 8 months. By June 30, 1970, 122 applications had been approved for priority processing, and the majority had been acted upon by an examiner.

International Activity

The third and final draft of the Patent Cooperation Treaty was released by the United International Bureaux for the Protection of Intellectual Property (BIRPI) on July 11, 1969. This preconference draft and accompanying regulations were published in the *Official Gazette* on July 15, 1969, in order that the public would have an opportunity to offer comments before the final negotiating round at the Diplomatic Conference.

The Washington Diplomatic Conference on the Patent Cooperation Treaty was held from May 25 to June 19, 1970. Seventy-seven nations were represented, 54 of which are members of the Paris Union for the Protection of Industrial Property. In addition, 22 international organizations were represented, of which 11 are intergovernmental and 11 are nongovernmental. The U.S. delegation was cochaired by Commissioner of Patents William E. Schuyler, Jr. and included representatives of the private sector both from the bar and industry. The treaty was signed on July 19, 1970, by 20 nations including the United States. The treaty remains open for signature by other nations until December 31, 1970. The treaty will enter into force 3 months after ratification by eight nations, at least four of which must have major patent activity as defined by the treaty. The complete text of the Patent Cooperation Treaty and Regulations, as approved at the Conference, was published in the July 14, 1970, issue of the *Official Gazette*.

Bilateral search exchange programs and joint studies were continued with the patent offices of Czechoslovakia, Japan, France, Federal Republic of Germany, the Philippines, and Sweden. The latter four programs are being implemented on a continuous basis through the Foreign Exchange section of the Patent Office's Office of Public Services, which is responsible for processing continuous exchange programs in cooperation with the examining groups.

The advice and consent necessary for U.S. ratification of the Stockholm Revision of the Paris Convention and the Convention establishing the World Intellectual Property Organization (WIPO) was given by the U.S. Senate on February 28, 1970. President Nixon signed the instruments of ratification for both agreements (except articles 1–12 of the Stockholm Revision) on May 4, 1970. The WIPO Convention will enter into force for the United States on August 25, 1970. Articles 13–30 of the Stockholm Act will become effective for the United States on September 5, 1970. Ratification of articles 1 to 12 of the Stockholm Revision is awaiting enactment of implementing legislation amending the patent laws of the United States. Such legislation in the form of two bills, S. 2975 and H.R. 18177, was introduced on behalf of the Department of Commerce in June 1970. The Stockholm

Revision was designed to modernize the administrative structure of the Paris Convention and to accord to applications for inventors' certificates the right of priority presently accorded to patent applications, provided that countries awarding such certificates maintain a dual system of both inventors' certificates and patents and that both systems are available to foreign nationals. WIPO was designed to provide a coordinated administration for the various intellectual property Unions administered by BIRPI and to promote the protection of intellectual property, not only for member nations of the various Unions, but also for nations which, though not members of such Unions, may be parties to the WIPO Convention.

The principal international trademark activity was U.S. participation in a first committee of experts established by BIRPI to consider a revised international trademark filing arrangement with a view toward adherence by a greater number of countries than those presently adhering to the existing "Agreement of Madrid for International Registration of Marks." The meeting was held in April 1970, in Geneva and was attended by member countries of the Madrid Agreement and selected nonmember nations, including, in addition to the United States, the United Kingdom, U.S.S.R., Japan, and the four Scandinavian countries.

The United States will be represented at a meeting of the committee of experts of the Nice Agreement (International Trademark Classification) to be held in Geneva in July 1970.

Patent Office Reorganization

A major reorganization of the Patent Office was completed on December 1, 1969. The new organization realigned the Office into four major operational elements, each headed by an Assistant Commissioner. Certain staff offices report directly to the Commissioner. In addition, the previously limited responsibilities of the First Assistant Commissioner of Patents were distributed among the new Assistant Commissioners and the position used in the creation of a Deputy Commissioner of Patents to provide top level managerial assistance to the Commissioner. The reorganization has substantially improved the efficiency of the Patent Office, particularly in the area of public services which were grouped together under the Assistant Commissioner for Administration.

Planning Activities

To further improve service to the public and insure maximum utilization of resources, the Patent Office began developing an overall operating plan during the year. Major objectives were identified and

goals aimed at accomplishing the objectives were approved by the Commissioner. Each ongoing and planned program in every area of the Patent Office is being evaluated from the standpoint of its potential contribution toward approved goals. This planning activity will enable the Patent Office to allocate its resources to programs aimed at accomplishing approved goals and to measure the results achieved against the resources expended.

Financial Management System

Development of an automated accounting system which will fully integrate the cost and performance indicators of all Patent Office programs was initiated during the year. The system is expected to provide Patent Office management with the information necessary to evaluate the progress toward approved Patent Office goals. This financial management system, together with the planning activities, should provide an excellent management tool for the future.

Computer Assisted Classification

An experimental program to determine the feasibility of computer assisted classification of patents was initiated during the year. This decision was based on the judgment that the continuation of manual classification at the present level could not cope with rapidly changing technology and tremendous increases in technical literature. The experiment is being financed through the reprograming of a large part of the present classification effort of the Patent Office. In June of this year, a contract was awarded for the keyboarding of the first part of a full text data base of some 24,000 patents in a few, relatively narrow, technological fields to be used in this effort. Part of this undertaking will involve the investigation of the feasibility of utilizing optical character recognition equipment to translate patents from conventional paper to machine readable form with the hope that it will provide a rapid and inexpensive means for translating the present patent file should the experiment be successful.

Patent and Trademark Legislation

Efforts toward the general revision of the patent laws continued in the 91st Congress. On August 1, 1969, Senator McClellan introduced S. 2756, a successor bill to S. 1246, to further resolve differences between various sectors as to the contents of a sound revision of the patent laws and to fulfill the objectives sought by the President's Commission on the Patent System. Senator Scott subsequently introduced amendments Nos. 578 and 579 to S. 2756 on April 8, 1970, to clarify and

stabilize the uncertain and varying relationship between the patent and antitrust laws. The Department of Commerce was asked by the Congress to comment on S. 2756 and the Scott amendments, and as of the end of the fiscal year such comments were in the process of coordination with other agencies.

At the request of the Department of Commerce, bills S. 3110 of Senator McClellan, H.R. 14139 of Representative Poff, and H.R. 14050 of Representative Kastenmeier, were introduced in the fall of 1969 to modify the present Trademark Act to permit the filing of trademark applications based on intent to use a mark in commerce.

The protection of ornamental designs other than through the patent laws was the subject of three bills in the 91st Congress: S. 1774, H.R. 3089, and H.R. 4209. The Patent Office continued studying legislation of this nature and the recommendation of the President's Commission that a new form of protection should be provided for designs.

During the year, the various requirements for obtaining licenses for the foreign filing of patent applications were consolidated and simplified. The regulations of the Patent Office, the Bureau of International Commerce of the Department of Commerce, and the Office of Munitions Control of the Department of State, in practically all cases, now require only a Patent Office license for foreign filing. Amended regulations of the Patent Office reflecting these changes were published in the *Official Gazette* of May 19, 1970.

There has been much discussion of the protection of sexually reproduced plant varieties, either by patents or another form of protection. As of the end of the year three bills were pending in the 91st Congress on plant varieties protection (H.R. 13424, S. 3070, and H.R. 13631) which were introduced at the request of organizations in the private sector engaged in the seed trade. Hearings on these bills were held in the Senate and House during June 1970.

S. 3109 and H.R. 14140 were introduced in the fall of 1969 at the request of the Department of Commerce to clarify and extend the authority of the Commissioner of Patents to carry out activities for increasing the effectiveness of the patent and trademark systems, particularly internationally.

Data Base Program

The Patent Office awarded a contract for keyboarding the full text of allowed patent applications onto magnetic tape to be used to drive the linotron at the Government Printing Office to compose patent text for printing. After use in patent printing, the tapes containing the full text of the issuing patents will be retained by the Patent Office

for the purpose of building a full text data base in machine readable form. The first patents will be issued under the data base program on August 4, 1970. By 1975, the Patent Office expects to have more than one-quarter of a million patents in machine readable form.

Patent Office Academy

During the year, 191 patent examiners completed the academy training program. Ten foreign and three U.S. non-Patent Office employees also participated. A total of 1,047 patent examiners had completed academy training through June 30, 1970. For the greater part of the fiscal year, both basic and advanced training sessions were offered. The sessions are now in the process of being combined into single sessions. This change is considered desirable in view of the reduction in application pendency time, which means that the examiner is completing the examining cycle in a gradually decreasing period of time.

The academy course was presented in a 28-hour capsule form to all supervisory primary examiners who have not taught the academy course, or who have not participated in a similar course at an earlier date. These examiners numbered 67.

Other Activities and New Initiatives

A revised edition of *Rules of Practice in Patent Cases* was published in looseleaf form and is being sold by the Superintendent of Documents, U.S. Government Printing Office, as a subscription item in order that the rules may be conveniently updated.

A study of the possibility of an improved Federal Trademark Registration System was initiated to identify the purposes of the system, evaluating the extent to which the present system meets, or does not meet, these purposes, and consideration of what changes in procedures, rules and statutes should be recommended to improve the effectiveness and efficiency of the operation in meeting them.

At the close of the fiscal year, over 72,000 new applications had been filmed for use in the Patent Office's new microfiche system. This system, which will readily provide a means for filling requests for applications as filed, will be 90 percent operational by September 1971. In filling special orders through this system, processing time will be cut to as little as 24 hours from receipt of the order in the Document Services Division.

An experiment was initiated in a chemical examining group to evaluate the benefits of examiner-clerical participation in a machine dictation-transcription project. From preliminary indications, there is improved efficiency and complete acceptance of this experiment by both professional and clerical personnel.

To speed service on orders on patent copies, several administrative changes were made. Orders for patent copies are now accepted at the Department of Commerce building site, eliminating the necessity for customers to buy coupons at the Crystal Plaza facility, and return to Commerce to pick up their copies. Working hours were changed for many key employees involved in furnishing copies to the attorneys' window, resulting in faster service on copies found in stock, especially for those ordered after normal working hours. Also, patent copies delivered to the attorneys' window for a temporary box after the box-holder has departed, are now mailed at an earlier date to the customer.

Special efforts were made to alleviate possible effects of the postal strike on inventors in connection with the prosecution of patent applications in the Patent Office. One effort was to extend the period for response where the Patent Office had such authority and a response was due between March 16 and April 15. Another was to designate the U.S. Department of Commerce Field Offices as receiving stations for the Patent Office.

The disclosure document program, through which the Patent Office accepts from inventors and preserves for a limited time documents which may be used as evidence of the dates of conception of inventions, was started in April 1969. Since then, approximately 2,400 disclosure documents have been received, over 2,200 of them during this year.

In the defensive publication program, a special service for inventors who do not wish to obtain a patent but want the protection for their invention afforded by having an abstract published in the *Official Gazette* and made a part of the Patent Office search files, 202 abstracts were received during the year.

Rule 68 was changed to permit the use of a declaration for any document required to be filed in the Patent Office under oath except for testimony relating to interferences.

As a consequence of recent court decisions, which declared certain computer programs to be patentable, it has become necessary to examine applications relating to this subject matter. The Patent Office has joined with the National Bureau of Standards in generating a document file and information retrieval system to be used for this purpose.

Operating Cost and Income

The Patent Office appropriation for fiscal year 1970 was $48,685,000, which was comprised of the regular apropriation of $44,500,000 and a supplemental appropriation of $4,185,000 for increased pay act costs.

Program costs for this period were $49,367,393, and with the subtraction of $773,584 for lower net obligations incurred for cost of other

years, the total amount obligated during the year was $48,593,809, or 99.8 percent of new obligational authority.

Compensation for an average of 2,569 employees accounted for 70 percent of total operating expenses; related costs of employee life insurance, health benefits, retirement, Federal Insurance Contribution Act taxes, awards, and Employees' Compensation Fund payments for 5 percent; printing and reproduction for 16 percent; and all other operating costs for 9 percent.

The Patent Office received $26,360,496 in fees and deposits from all sources. Refund of $161,301 and a net increase of $82,535 in the deposit fund for unapplied receipts resulted in a net income of $26,277,961. This exceeded by $822,269 the previous record-high amount of $25,455,692 for fiscal year 1969. Net income for fiscal year 1970 was equivalent to 53 percent of operating cost.

STATISTICAL DATA

Pending Patent and Design Applications as of June 30, 1970

Status	Patents, including plants and reissues	Designs
Pre-examination	42,149	1,649
Under examination:		
Awaiting first action by examiners	68,765	1,680
Amended awaiting action by examiners	10,760	343
Awaiting response by applicant	59,606	1,430
In interference	1,256	1
On appeal	4,903	33
Total under examination	145,290	3,487
Post examination:		
Awaiting notice of allowance	7,521	486
Awaiting payment of issue fee	24,812	830
D–10's (secret cases in condition for allowance)	3,299	0
Total in post examination	35,632	1,316
In issue process:		
In Patent Office (fee paid prior to June 30)	9,372	116
With printer	8,224	638
Total in issue process	17,596	754
Total in Office	[1] 240,667	[2] 7,206

[1] 1969 total revised to 240,006, based on 2,605 inventory adjustment and category not previously counted of 2,654.

[2] 1969 total revised to 6,269, based on 1,742 inventory adjustment.

Summary of Patent and Design Examining Activities, Fiscal Years 1968–70

Item	1968	1969	1970	Annual average 1961–70
Patents:				
Applications filed:				
General, mechanical, chemical, electrical	90,252	96,342	100,116	88,416
Plants	107	103	113	115
Reissues	304	376	344	274
Total	90,663	96,821	100,573	89,851
Applications allowed	72,205	72,666	72,298	61,849
Applications abandoned	29,307	29,404	31,394	29,748
Total disposals	101,512	102,070	103,692	91,597
Patents issued:				
General, mechanical, chemical, electrical	61,596	61,949	66,334	56,632
Plants	67	80	80	102
Reissues	185	201	311	209
Total	61,848	62,230	66,725	57,834
Patents withheld for nonpayment of final fee (35 U.S.C. 151)	1,578	2,102	1,793	1,579
Designs:				
Applications filed	4,889	5,432	5,722	5,080
Applications allowed	3,862	3,721	3,440	3,163
Applications abandoned	1,877	1,500	1,453	2,011
Design patents issued	3,539	2,991	3,397	2,964

Applications for Patents Filed, Fiscal Years

Year	Inventions	Plants	Reissues	Total	Designs
1951	63,000	77	160	63,237	4,871
1952	60,107	93	186	60,386	4,606
1953	70,025	99	219	70,343	5,433
1954	74,987	90	194	75,271	5,501
1955	78,386	94	230	78,710	5,523
1956	75,420	117	196	75,733	5,322
1957	73,495	99	189	73,783	4,675
1958	76,565	129	262	76,956	4,838
1959	77,978	126	259	78,363	4,994
1960	78,995	117	219	79,331	4,567
1961	80,842	106	223	81,171	4,605
1962	84,864	131	270	85,265	4,963
1963	84,620	149	277	85,046	4,841
1964	87,482	147	207	87,836	5,067
1965	88,908	89	237	89,234	5,319
1966	93,022	103	266	93,391	5,187
1967	88,167	100	241	88,508	4,774
1968	90,252	107	304	90,663	4,889
1969	96,342	103	376	96,821	5,432
1970	100,116	113	344	100,573	5,722

Patents Granted, Fiscal Years [1]

Year	Inventions	Plants	Reissues	Total	Designs
1951	45,447	61	138	45,646	4,604
1952	42,963	91	133	43,187	3,344
1953	42,480	91	163	42,734	2,827
1954	38,499	87	167	38,753	2,573
1955	29,473	116	186	29,775	2,533
1956	40,465	88	141	40,694	3,104
1957	44,819	120	163	45,102	2,375
1958	43,407	110	159	43,676	2,572
1959	52,184	128	170	52,482	2,508
1960	50,322	107	178	50,607	2,685
1961	47,222	110	160	47,492	2,488
1962	51,065	88	190	51,343	2,336
1963	53,958	114	215	54,287	2,411
1964	44,050	147	203	44,400	3,019
1965	52,914	127	204	53,245	2,979
1966	66,243	105	238	66,586	3,638
1967	70,028	102	180	70,310	2,840
1968	61,599	67	185	61,851	3,539
1969	61,957	80	201	62,238	2,991
1970	66,339	80	311	66,730	3,401

[1] Includes withdrawn numbers.

Patent Applications Pending on June 30, of Year Indicated [1]

Year	Total pending [2]	Awaiting action by examiner [3]	Year	Total pending [2]	Awaiting action by examiner [3]
1951	201,382	108,996	1961	200,934	90,917
1952	185,084	96,836	1962	197,397	100,841
1953	182,650	98,878	1963	209,131	117,610
1954	194,620	116,392	1964	219,691	127,154
1955	221,872	139,931	1965	206,922	147,473
1956	217,536	121,847	1966	209,254	145,101
1957	215,535	106,523	1967	200,739	134,346
1958	207,166	88,804	1968	189,909	108,115
1959	198,248	87,146	1969	[4] 190,558	102,309
1960	195,885	87,122	1970	187,439	79,205

[1] Does not include allowed applications and design applications.
[2] Includes applications in preexamining processes.
[3] Includes cases in which Office actions were suspended under rule 103 through 1965.
[4] Revised figure based on inventory adjustment of 3,244 to total pending excluding allowed applications and design applications plus category not previously counted of 2,654.

Documentation Activity, Fiscal Years 1966–70

Activity	1966	1967	1968	1969	1970
Classes abolished	5	1	4	1	4
Original patents	55,556	11,854	46,058	8,895	57,713
Cross-reference patents	58,622	14,441	65,760	2,912	65,658
Classes established	4	3	4	4	4
Subclasses	1,400	1,039	1,431	595	1,318
Original patents	58,444	25,676	54,921	10,933	54,588
Cross-reference patents	85,312	38,417	88,777	12,359	64,306
Foreign patents	85,815	56,507	86,182	37,000	76,000
Miscellaneous subclasses:					
Established	420	492	494	944	317
Original patents	10,009	12,459	15,679	15,937	11,453
Cross-reference patents	19,339	21,938	31,342	11,200	20,117
Miscellaneous patents transferred	10,317	10,582	13,669	8,640	4,848
Assignment decisions:					
Written	29	12	0	1	2
Oral	7,481	6,571	5,819	6,125	16,199
Letters of inquiry answered	920	766	738	534	553

Pending Trademark Applications as of June 30, 1970

Status	For registration	For renewal	Under section 12(c)	Section 8 affidavits
Preexamination	3,325	320	8	1,248
Under examination:				
Awaiting action by examiner:				
First actions	17,386	936	24	447
Amended actions	6,756	0	0	0
Awaiting action by others (i.e., applicant, on appeal, in adversary proceedings, clerical processing)	13,595	169	0	349
Total under examination	37,737	1,105	24	796
Total	41,062	1,425	32	2,044
Post examination (includes applications in all phases of publication and issue)	8,293	541	14	.....
Total	49,355	1,966	46	2,044

Summary of Trademark Examining Activities, Fiscal Years 1968–70

Item	1968	1969	1970	Annual average 1961–70
Applications for registration filed	28,292	31,268	33,807	27,392
Disposal of trademark applications:				
Applications maturing to registration	21,499	21,833	23,752	20,035
Applications abandoned	5,859	5,907	6,134	5,501
Certificates of registration issued:				
1946 act, principal register	19,274	19,356	21,018	18,310
1946 act, supplemental register	1,111	950	956	1,054
Total	20,385	20,306	21,974	19,364
Renewal of registration:				
Applications filed	4,089	6,267	6,329	3,932
Applications abandoned	87	64	95	87
Registrations renewed	3,726	5,442	6,370	3,777
Affidavits for benefits under sec. 12(c):				
Affidavits filed	231	90	59	288
Affidavits abandoned	1	4	0	3
Published under sec. 12(c)	290	182	103	324
Affidavits, sec. 8:				
Affidavits filed	12,116	13,890	14,283	13,398
Affidavit disposal	11,738	13,513	13,854	13,276

Applications for Trademark Registrations, Renewals, and Sec. 12(c) Affidavits, Fiscal Years

Year	For registration	For renewal	For benefits under sec. 12 (c)	Affidavits received under sec. 8	Year	For registration	For renewal	For benefits under sec. 12 (c)	Affidavits received under sec. 8
1951	15,962	3,310	1,379	.....	1961	23,169	3,476	423	14,581
1952	16,126	3,383	1,164	.....	1962	24,866	3,138	337	14,720
1953	17,400	3,075	1,309	1,424	1963	24,224	2,604	311	12,752
1954	19,715	3,887	1,626	16,491	1964	25,574	2,824	261	12,055
1955	21,515	3,931	1,287	17,773	1965	26,657	3,049	308	13,923
1956	21,735	3,675	808	12,040	1966	28,438	3,695	518	13,705
1957	21,581	3,638	843	12,873	1967	27,628	3,844	341	11,156
1958	21,770	3,237	556	12,126	1968	28,292	4,089	231	12,116
1959	22,243	3,321	447	11,548	1969	31,268	6,267	90	13,890
1960	23,242	3,972	419	12,573	1970	33,807	6,329	59	14,283

Trademarks Registered, Renewed and Published Under Sec. 12(c), Fiscal Years [1]

Year	Registered	Renewed	Published under sec. 12(c)	Year	Registered	Renewed	Published under sec. 12(c)
1951	17,869	3,487	1,589	1961	17,406	3,749	451
1952	16,400	3,314	1,304	1962	15,909	3,071	331
1953	16,273	3,268	1,157	1963	18,266	2,450	322
1954	15,197	2,918	1,383	1964	20,689	2,834	329
1955	16,109	4,588	1,544	1965	19,452	2,870	336
1956	21,613	3,315	885	1966	18,671	3,441	497
1957	17,864	4,041	877	1967	20,604	3,820	403
1958	15,979	3,172	555	1968	20,385	3,726	290
1959	17,685	3,249	529	1969	20,306	5,442	182
1960	18,989	3,614	479	1970	21,974	6,370	103

[1] Includes withdrawn numbers.

Actions on Petitions to Commissioner

Acceptance of late priority papers	41
Access	1
Certificates of corrections	9,607
Deferment of issue	33
Express abandonment	43
Extensions of time	660
Filing date	198
Final fee—late payment	480
Interference	126
Make special	132
Public use	27
Reinstatement of appeals	14
Revivals	1,472
Supervisory authority	157
Withdrawals of attorney	1,878
Total	14,869

(Pending petitions awaiting action—43)

Summary of Contested Cases in Patent Office During Fiscal Year 1970

Patent cases before the Board of Appeals:		
Pending July 1, 1969		3,495
Filed July 1, 1969–June 30, 1970:		
Ex parte appeals	9,121	
Reconsideration	337	9,458
Total		12,953
Disposals:		
Examiner affirmed	1,619	
Examiner affirmed-in-part	193	
Examiner reversed	346	
Dismissed	2,033	
Suspended	1	
Withdrawn	[1] 4,090	8,652
Pending June 30, 1970		4,446
Cases before the Board of Patent Interferences:		
Pending July 1, 1969		813
Filed July 1, 1969–June 30, 1970 Inter partes cases		436
Total		1,274
Disposals		503
Pending June 30, 1970		771

Cases before the Trademark Trial and Appeal Board:

	Ex Parte	Cancel.	Concur.	Inter Partes Interfer.	Opposi-tions	Total
Pending July 1, 1969	123	273	11	96	1,162	1,665
Filed July 1, 1969–June 30, 1970:						
Ex parte appeals	283					283
Inter partes cases		232	10	111	1,110	1,463
Total	406	505	21	207	2,272	3,411
Disposals	274	220	8	105	1,051	1,658
Pending June 30, 1970	132	285	13	102	1,221	1,753

[1] 370 reconsiderations included.

Cases in Litigation (Courts)

	Administrative review	Patent	Trademark	Total
Supreme Court of the United States—Petitions for writ of certiorari:				
Pending July 1, 1969	0	0	0	0
File July 1, 1969–June 30, 1970	2	2	0	4
Total	2	2	0	4
Denied	1	2	0	3
Granted	0	0	0	0
Total	1	2	0	3
Pending June 30, 1970	1	0	0	1
United States Court of Appeals—District of Columbia Circuit:				
Cases Pending July 1, 1969	3	3	0	6
Appeals taken July 1, 1969–June 30, 1970	6	4	0	10
Total	9	7	0	16
Cases disposed of:				
Affirmed	2	4	0	6
Dismissed	4	1	0	5
Remanded	0	0	0	0
Reversed	0	0	0	0
Total	6	5	0	11
Pending June 30, 1970	3	2	0	5
United States District Court for the District of Columbia:				
Pending July 1, 1969	8	106	1	115
Filed July 1, 1969–June 30, 1970	8	38	1	47
Total	16	144	2	162
Cases disposed of:				
Affirmed	1	4	0	5
Affirmed-in-part	0	0	0	0
Reversed	0	0	0	0
Dismissed on:				
Plaintiff's motion	1	0	0	1
Defendant's motion	4	4	0	8
Stipulation of counsel	1	38	0	39
Want of prosecution	0	1	0	1
Total	7	47	0	54
Pending June 30, 1970	9	97	2	108

Notices of appeals to U.S. Court of Customs and Patent Appeals

Received July 1, 1969–June 30, 1970:
Ex parte patents and trademarks=131 (8 not perfected).
Inter partes patents =26 (0 not perfected).
Inter partes trademarks =58 (20 not perfected).

Cases in Litigation (Courts)—Continued

	Ex parte		Inter partes		Total
	Patent	Trade-mark	Patent	Trade-mark	
United States Court of Customs and Patent Appeals					
Cases pending July 1, 1969	265	20	46	76	407
Filed July 1, 1969 through June 30, 1970	115	6	29	47	197
Total	380	26	75	123	604
Cases disposed of:					
Affirmed	44	2	5	21	72
Affirmed-in-part	12	0	4	0	16
Remanded	5	0	0	2	7
Reversed	23	2	3	3	31
Dismissed:					
On appellant's motion	26	0	5	3	34
Joint motion	0	0	1	0	1
On want of prosecution	9	0	3	3	15
Total	119	4	21	32	176
Pending July 1, 1970	261	22	54	91	428

Litigation Report, Other Jurisdictions, July 1, 1969–June 30, 1970 (Cases reported)

Month	Patent suits				Trademark suits			
	Filed	Pat's Inv'd	Decs.	Pat's Inv'd	Filed	TM's Inv'd	Decs.	TM's Inv'd
July	69	120	23	42	27	42	16	40
Aug.	71	94	48	66	33	131	20	42
Sept.	64	87	38	49	11	34	22	63
Oct.	81	111	39	54	38	81	13	20
Nov.	36	47	23	35	22	72	13	37
Dec.	59	90	24	31	19	60	7	13
Jan.	57	69	34	52	26	99	16	32
Feb.	91	125	42	58	20	60	16	48
Mar.	76	105	36	59	25	62	10	15
Apr.	89	155	32	50	30	76	22	39
May	73	214	29	41	23	31	21	45
June	69	138	43	50	25	46	13	28
Total	835	1,355	411	587	299	794	189	422

Summary of Patent Office Services Furnished for Fees or Without Charge to the Public and Government Agencies During Fiscal Year 1970

Item or service provided	Total supplied	Patent Office use	Furnished other Government agencies	Number for which charge was made
Prints furnished: Manuscripts, patents, publications, etc.	13,451,776	[1] 3,584,878	.....	[2] 9,866,898
Certificates prepared	122,392	16	.....	122,376
Assignments:				
Abstract of title and title searches	966	.....	.....	966
Title reports	33,263	33,263	.....	.....
Instruments recorded	79,321	.....	.....	79,321
Patents and trademarks:				
Orders	5,519,944	463,746	860	5,055,338
Foreign exchange	2,942,012	.....	2,942,012	.....
Library subscriptions	1,196,271	.....	.....	1,196,271
ROC	745,566	745,566	.....	.....
Archives	200,578	.....	200,578	.....
Total	10,604,371	1,209,312	3,143,450	6,251,609
Drawings and corrections	15,159	.....	.....	15,056

[1] 1969 corrected figure 3,465,902.
[2] 1969 corrected figure 9,133,259.

Patents Issued to Residents of United States, Years 1960–69 (Excludes designs, plants, and reissues)

States and territories	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Alabama	185	167	209	178	153	236	232	248	236	258
Alaska	8	13	18	7	9	13	14	19	12	22
American Samoa								2	3	1
Arizona	117	138	164	190	188	249	290	356	279	301
Arkansas	49	73	92	69	63	85	74	56	54	77
California	4,390	4,649	5,162	4,358	4,603	6,304	6,777	6,264	5,630	6,372
Canal Zone	1		1					13	7	7
Colorado	185	241	262	233	222	333	321	325	327	412
Connecticut	1,329	1,313	1,545	1,136	1,305	1,742	1,859	1,677	1,567	1,664
Delaware	359	394	526	359	373	479	608	595	558	564
District of Columbia	199	185	169	145	157	181	161	236	154	208
Florida	465	506	600	528	590	725	790	832	794	769
Georgia	171	184	222	186	174	276	284	310	294	300
Guam		1				1		5	2	2
Hawaii	13	26	28	20	20	13	25	19	22	40
Idaho	45	41	61	53	40	46	52	48	56	65
Illinois	3,602	3,456	3,991	3,288	3,450	4,508	4,561	4,161	3,712	3,968
Indiana	1,023	1,061	1,229	994	979	1,286	1,375	1,219	1,100	1,151
Iowa	394	371	414	286	341	490	443	395	321	354
Kansas	225	197	263	181	211	270	314	273	263	257
Kentucky	234	252	294	253	235	302	355	381	308	363
Louisiana	236	280	258	249	221	289	322	367	327	308
Maine	56	53	62	48	61	62	72	80	67	50
Maryland	709	780	807	692	760	1,013	1,073	1,058	915	1,115
Massachusetts	1,626	1,717	1,852	1,647	1,713	2,095	2,386	2,149	1,911	2,190
Michigan	2,542	2,569	2,931	2,347	2,433	3,135	3,494	3,164	2,815	3,001
Minnesota	666	635	827	710	724	982	1,069	985	882	1,068
Mississippi	41	41	36	48	45	50	50	65	47	76
Missouri	588	586	644	559	567	685	864	827	693	810

Montana	54	39	53	32	44	26	37	57	52	54
Nebraska	85	84	112	103	85	115	144	161	105	102
Nevada	31	16	32	34	28	40	47	50	38	49
New Hampshire	100	107	124	109	92	135	153	157	114	154
New Jersey	3,429	3,379	3,707	2,850	3,132	3,987	4,512	4,370	3,768	4,369
New Mexico	82	90	103	77	103	108	115	120	88	115
New York	4,914	4,924	5,538	4,432	4,579	5,812	6,202	5,503	4,955	5,541
North Carolina	267	287	330	276	315	405	467	586	494	495
North Dakota	32	34	43	40	36	32	40	46	47	51
Ohio	3,203	3,284	3,589	2,918	2,665	3,574	3,812	3,482	3,208	3,403
Oklahoma	633	644	744	624	579	865	937	878	814	789
Oregon	232	238	256	222	243	296	329	319	271	309
Pennsylvania	3,016	3,115	3,480	2,753	2,854	3,901	4,131	3,824	3,378	3,726
Puerto Rico	8	6	13	7	8	15	19	23	19	25
Rhode Island	181	166	222	161	193	198	247	237	197	222
South Carolina	99	108	124	123	127	158	200	222	168	222
South Dakota	37	37	32	37	30	37	34	51	38	35
Tennessee	322	305	307	321	273	367	489	435	417	430
Texas	1,219	1,291	1,532	1,340	1,271	1,578	1,806	1,769	1,770	1,900
Utah	76	86	116	99	99	136	155	128	120	160
Vermont	32	30	44	30	40	57	48	47	61	65
Virginia	415	446	492	408	449	656	738	781	660	658
Virgin Islands	4	1	.....	.....	1	.....	1	2	11	18
Washington	380	340	434	337	361	448	506	445	391	480
West Virginia	173	213	306	177	188	218	266	245	209	180
Wisconsin	962	926	1,147	883	947	1,277	1,303	1,171	1,000	1,035
Wyoming	17	24	24	19	25	35	24	29	31	28
U.S. Air Force	.....	.....	2	.....	5	.....	3	.....	2	4
U.S. Army	3	5	5	.....	.....	1	.....	2	.....	.....
U.S. Navy	8	.....	1	.....	1	5	4	5	.....	3
Total	39,472	40,154	45,579	37,176	38,410	50,332	54,634	51,274	45,782	50,395

United States Patent Applications Filed by Residents of Foreign Countries, Calendar Years 1965–69

Country	1965	1966	1967	1968	1969
Algeria		1			2
Argentina	53	40	35	45	41
Australia	225	220	263	313	308
Austria	229	232	273	286	337
Belgium	286	303	319	384	377
Bermuda	2			2	1
Bolivia	1	2	1	1	1
Brazil	33	35	30	29	22
British West Indies	2		6	3	9
Bulgaria	7	7	11	10	27
Cameroon					1
Canada	1,695	1,323	1,456	1,558	1,707
Ceylon		1			
Chile	5	13	7	6	10
China, Republic of	8	16	13	3	19
Colombia	5	6	6	1	9
Congo (Brazzaville)					1
Costa Rica	1	1	2	1	2
Cuba					1
Cyprus	1				
Czechoslovakia	186	180	160	174	218
Denmark	165	172	168	195	221
Dominican Republic					
Ecuador					1
El Savador			5		3
Ethiopia		1			2
Finland	44	52	73	94	103
France	2,246	2,174	2,385	2,522	2,821
Germany, Federal Republic of	5,731	5,504	5,734	6,455	7,405
Greece	14	14	9	19	17
Guatemala	5	1	1		2
Haiti		2	2	1	1
Honduras		4			
Hong Kong	9	15	7		24
Hungary	37	48	66	54	70
Iceland	1	7	2		4
India	10	25	32	13	30
Indonesia	1	1			3
Iran		2	4		4
Ireland		30	27	29	44
Israel	94	86	64	73	87
Italy	811	849	866	960	1,031
Jamaica		2	4	4	4
Japan	2,263	2,479	3,354	4,051	5,430
Jordan				1	1
Kenya		1	4		1
Korea	1	5	2	4	11
Kuwait					1
Lebanon		6	3		6
Liberia	1				2
Liechtenstein	24	18	13	13	27
Luxembourg	7	5			14
Malaysia			2		
Mali		2			1
Mexico	83	97	78	177	74
Monaco	3	5	2	1	7
Morocco	5	4	1		
Netherlands	690	652	711	790	899
New Zealand	27	20	22	22	34
Nicaragua	2	1			
Nigeria	1	1	1		2
Norway	96	63	90	95	107
Pakistan	2	1		1	

United States Patent Applications Filed by Residents of Foreign Countries, Calendar Years 1965–69—Continued *

Country	1965	1966	1967	1968	1969
Panama	1	1	.....	.....	4
Paraguay	.....	.....	.....	.....	2
Peru	16	4	7	7	7
Philippines	2	12	4	9	13
Poland	27	50	48	55	59
Portugal	18	11	12	15	13
Rhodesia and Nyasaland	1	3	3	1	2
Rumania	15	15	45	53	59
Saudi Arabia	.....	3	4	1	5
Senegal	.....	.....	.....	.....	5
South Africa, Republic of	99	83	101	102	115
Singapore	.....	4	.....	.....	2
Spain	93	116	106	133	145
Sudan	1	.....	.....	.....	2
Sweden	833	858	825	941	1,070
Switzerland	1,377	1,399	1,513	1,551	1,698
Tanzania	.....	.....	.....	.....	2
Thailand	1	.....	.....	1	3
Trinidad & Tobago	.....	.....	.....	.....	1
Turkey	5	1	3	1	6
Uganda	.....	.....	.....	.....	2
Union of Soviet Socialist Republics	215	112	427	329	438
United Arab Republic	3	.....	.....	17	.....
United Kingdom	4,481	4,238	4,597	4,660	5,216
Uruguay	1	.....	2	1	7
Venezuela	12	15	9	6	14
Viet Nam (South)	1	1	.....	1	.....
West Africa	.....	.....	.....	.....	15
Yugoslavia	10	7	17	17	12
Zambia	.....	.....	.....	.....	3
Other	2	.....	9	.....	.....
Total	22,326	21,662	24,046	26,291	30,507

* Excludes designs (i.e., includes plants & reissues).

Patents Issued by the United States to Residents of Foreign Countries, Calendar Years 1960–69 (Excludes plants, designs, and reissues)

Country	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Algeria			2	3		2			1	
Argentina	30	16	14	19	27	18	20	16	18	17
Australia	45	58	82	69	80	110	110	151	119	155
Austria	58	86	125	86	91	143	128	151	160	191
Belgium	75	106	106	85	131	184	185	176	169	220
Bermuda	4	5		3	2	3	2	1		3
Bolivia								1	1	2
Borneo				1						
Brazil	5	8	19	17	10	11	17	12	13	18
British West Indies	1	4	3	5	8	3	1	4	4	9
Bulgaria			1		1	1		5	1	7
Burma			1							
Cameroon		1					1			
Canada	609	615	686	606	648	853	937	991	897	994
Ceylon				1						1
Chile	3	2	5	1	1	3	1	3	2	8
China, Republic of	3	3	2	4	3	4	2	9	5	5
Colombia	3	1	3	2	3	5	8	4	2	5
Congo					3					
Costa Rica	1	2		1		2		2		1
Cuba	9	9	13	8	1	1				
Cyprus									1	
Czechoslovakia	44	62	49	44	34	52	38	96	96	132
Denmark	54	64	64	70	63	88	101	123	82	144
Dominican Republic of					2	1				
Ecuador	1	1		1			2	2		4
El Salvador			1	1		1	1	4	2	3
Finland	17	13	18	18	9	22	27	34	31	43
France	816	882	1,039	854	1,013	1,372	1,436	1,558	1,446	1,808
Germany, Federal Republic of	2,168	2,306	2,847	2,338	2,420	3,388	3,981	3,766	3,442	4,523
Greece	4	6	3	7	1	5	5	13	3	11
Guatemala				2			5	5		4

Haiti							2	2	2	2
Honduras			1				1		1	5
Hong Kong	3	2	4	6	5	6	8	12	7	7
Hungary	17	20	17	13	20	20	31	23	21	22
Iceland	1	1			2	3	2	1	4	1
India	2	1	7	4	7	8	5	10	15	18
Indonesia	2						5	12	25	
Iran	1	1		1	1	1	2	3	1	1
Ireland	4			1	10	5	9	8	10	13
Israel	8	12	17	20	26	33	45	53	38	61
Italy	249	257	388	345	308	414	429	471	477	556
Jamaica								1	1	
Japan	196	250	421	407	545	919	1,122	1,424	1,464	2,152
Kenya	1	1	1		3		2	1	2	1
Korea			2		3	2	2		2	
Kuwait										1
Lebanon	3		4	4			1		3	2
Liberia									1	
Libya				1		1				
Liechtenstein	10	3	12	5	10	14	12	13	15	14
Luxembourg		3	3	5	4	3	6	7	7	2
Madagascar										
Malaya	1			1		2	2			
Mexico	32	45	91	92	72	87	99	43	40	68
Monaco	2	3	1	1	2	2	6	3	4	4
Morocco	4	5	3	3	3	6	6	3	4	1
Netherlands	369	402	483	329	356	519	482	507	476	558
New Caledonia										
Newfoundland							1			
New Zealand	13	7	10	12	12	17	10	15	13	16
Nicaragua							2	4	2	2
Nigeria	1							2	2	1
Norway	38	46	39	33	43	52	59	49	49	69
Pakistan	1	2	5	2		1	2	2		1
Panama		1	2	2	2	1	1			
Peru	5	1	2	1	5	5	2	5	5	5
Philippines	1	4	1	7	5	2	4	1	2	4
Poland	1	2		3	1	9	10	12	25	31
Portugal		2	3	3	2	2	4	1	7	6

Patents Issued by the United States to Residents of Foreign Countries, Calendar Years 1960–69 (Excludes plants, designs, and reissues)—Continued

Country	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969
Rhodesia	7	2	3	5	3	4	2	2	.....	3
Rumania	.....	.....	1	2	2	2	4	6	21	21
Saudi Arabia	.....	.....	.....	.....	1	.....	1	.....	1	.....
Senegal	.....	.....	.....	1	.....	.....	.....	.....	.....	.....
Singapore	2	.....	.....	.....	.....	.....	.....	1	1	2
South Africa, Republic of	19	30	33	30	34	69	48	52	35	65
Viet Nam (South)	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Spain	10	24	18	26	19	49	50	46	48	59
Sudan	1	.....	.....	.....	.....	.....	.....	.....	2	.....
Sweden	348	358	414	386	368	562	537	574	569	673
Switzerland	541	617	771	668	667	862	983	948	822	1,058
Syria	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Tanzania	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Thailand	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Trinidad & Tobago	.....	.....	.....	.....	1	.....	2	.....	1	1
Tunisia	.....	1	.....	1	.....	1	.....	1	.....	.....
Turkey	1	.....	1	.....	2	.....	2	4	3	1
Uganda	.....	.....	.....	.....	.....	.....	1	.....	1	.....
Union of Soviet Socialist Republics	.....	.....	3	15	12	28	66	115	95	159
United Arab Republic	1	1	2	.....	1	1	3	4	1	.....
United Kingdom	1,837	1,843	2,248	1,810	1,839	2,574	2,677	2,799	2,481	3,175
Uruguay	3	3	4	3	3	3	2	1	1	.....
Venezuela	12	10	10	9	12	11	7	5	13	6
Yugoslavia	.....	3	3	2	4	3	4	4	4	3
Zambia	.....	.....	.....	.....	.....	.....	1	1	.....	.....
Total	7,698	8,214	10,112	8,505	8,966	12,525	13,772	14,378	13,320	17,162

United States Trademark Applications and Registrations, Foreign Residents, Calendar Years 1967–69

	Applications			Registrations		
	1967	1968	1969	1967	1968	1969
Argentina	16	13	12	6	9	8
Australia	22	21	38	21	22	16
Austria	22	27	16	12	11	12
Belgium	21	20	27	11	18	20
Bermuda	1				1	
Brazil	5	2	10	5	5	3
British West Indies	3	2	4	2	2	7
Bulgaria	1		3		1	1
Canada	206	332	337	168	162	215
Central African Republic		3				
Ceylon	1					
Chile		1	2	3		
China (National Republic)			1			
Colombia		4	2	1	4	1
Cuba						
Czechoslovakia	4	20	4	9	5	8
Denmark	19	43	39	27	23	24
Dominican Republic			1			
Ecuador			1	1		
Finland	5	11	29	6	1	8
France	222	308	335	206	166	178
Germany, Federal Republic of	316	375	389	272	251	264
Greece	3	2	4		2	1
Guatemala		1				1
Honduras			1			
Hong Kong	9	8	8	8	6	6
Hungary	1				1	1
Iceland			1			
India		1	4			
Iran		1				
Ireland	5	19	44	4	5	4
Israel	4	4	7	2	6	5
Italy	113	143	151	130	86	87
Japan	247	319	373	111	154	271
Korea			3	1		
Kuwait						
Liechtenstein	5	11	5	7	7	6
Luxembourg	1	2				
Mexico	40	24	17	8	18	17
Monaco	2		1	1	1	2
Morocco	1		1	1	1	
Netherlands	49	53	71	52	50	42
New Zealand	3	2	4	1		2
Norway	14	17	10	5	9	11
Pakistan			2	1		
Panama	2	1	4	3	4	3
Peru		1	1			1
Philippines			6			
Poland	10	14	6	5	7	7
Portugal	4	14	4	5	9	6
Rumania						
South Africa, Republic of	15	12	11	28	12	11
Rhodesia						1
Spain (Canary Islands)	36	56	82	40	33	26
Sweden	54	73	74	42	55	62
Switzerland	154	160	231	107	136	117

United States Trademark Applications and Registrations, Foreign Residents, Calendar Years 1967–69—Continued

	Applications			Registrations		
	1967	1968	1969	1967	1968	1969
Tanzania				1		1
Thailand	1					
Trinidad & Tobago		2		1	1	
Union of Soviet Socialist Republics	2	1	1	1		1
United kingdom	359	406	431	259	350	302
Uruguay				1		
Venezuela	1	2		1		2
Yugoslavia					3	
Other						
Total	1,999	2,536	2,808	1,567	1,637	1,761

Average Number of All Employees, Fiscal Years 1966–70

	1966	1967	1968	1969	1970
Office of Commissioner	16	17	23	22	21
Office of Solicitor	21	21	19	21	21
Office of Patent Examining	1,504	1,514	1,599	1,581	1,583
Office of Appeals, Legislation, and Trademarks	179	179	196	185	179
Office of Research and Development	194	193	196	187	172
Office of Administration	592	604	624	593	593
Total	2,506	2,528	2,657	2,589	2,569
Patent professional	1,210	1,207	1,248	1,267	1,258
Trademark professional	46	45	53	54	53
All other	1,250	1,276	1,356	1,268	1,258
Total	2,506	2,582	2,657	2,589	2,569

End of Year Employment, Fiscal Years 1966–70

	1966	1967	1968	1969	1970
Office of Commissioner	19	19	26	23	22
Office of Solicitor	25	22	22	22	22
Office of Patent Examining	1,559	1,621	1,674	1,595	1,706
Office of Appeals, Legislation, and Trademarks	175	200	193	191	201
Office of Research and Development	191	211	209	224	178
Office of Administration	615	659	670	643	656
Total	2,584	2,732	2,794	2,698	2,785
Patent professional	1,225	1,239	1,300	1,248	1,303
Trademark professional	46	54	55	55	55
All other	1,313	1,439	1,439	1,395	1,427
Total	2,584	2,732	2,794	2,698	2,785

Operating Cost, Fiscal Years 1966–70 (in thousands of dollars)

	1966	1967[1]	1968[1]	1969	1970
Office of Commissioner	254	267	381	423	467
Office of Solicitor	310	335	330	368	410
Office of Patent Examining	17,795	19,256	21,100	23,553	26,900
Office of Appeals, Legislation, and Trademarks	2,268	2,341	2,598	2,741	3,092
Office of Research and Development	2,317	2,475	2,674	2,817	2,867
Office of Administration	10,563	10,860	11,488	12,674	15,631
Total	33,507	35,534	38,571	42,576	49,367
Personnel compensation	23,996	25,334	27,544	29,938	34,307
Personnel benefits	1,787	1,987	2,157	2,323	2,643
Printing and reproduction	6,334	6,418	6,420	6,652	8,140
Other costs	1,390	1,795	2,450	3,663	4,277
Total	33,507	35,534	38,571	42,576	49,367

[1] Reflects comparative transfer to other accounts.

Income from Fees, Fiscal Years 1966–70 (in thousands of dollars)

	1966	1967	1968	1969	1970
Patent issue fee, original or reissue, including extra claims and charges for printed pages of specifications and drawings [1]	5,141	8,365	9,274	9,067	9,000
Patent filing fee, including extra claims	5,838	7,354	7,638	8,332	8,720
Patent copies	2,680	2,828	2,568	2,496	2,518
Recording assignments	990	1,395	1,476	1,651	1,801
Trademark filing fee	907	969	998	1,154	1,235
Reproduction of records	1,080	1,079	1,034	1,126	1,159
Patent appeals, including filing of brief	644	728	555	577	671
Trademark renewal fee	95	98	105	157	163
Certification of copies	106	114	107	128	125
Special service on orders	152	159	155	122	144
Design filing fee, including term extensions	108	95	98	109	114
Drawings and corrections	71	87	99	98	96
Design issue fee	35	63	103	88	113
Trademark copies	56	58	59	58	60
Comparison of patent drawings	30	25	30	44	42
Trademark oppositions and cancellations	39	38	37	37	38
Subscription service for copies	9	34	34	35	37
Patent reissue filing fee, including extra claims	19	25	21	26	28
Revival of abandoned patent applications	15	16	13	17	21
Classified lists of patents	16	11	11	14	10
Title reports	10				
Other fees	105	125	111	120	183
Total income	18,146	23,666	24,526	25,456	26,278

[1] 1966 includes income from additional charges for extra claims until effective date of Public Law 89–83, Oct. 25, 1965.

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